AlphaServer 2100 4/200 CAB and 4/275 CAB

High capacity and availability in a flexible, space-saving cabinet

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Digital's AlphaServer™ 2100 4/200 CAB and 4/275 CAB are scalable SMP (symmetric multiprocessing) open systems in rackmount configurations with up to four CPUs. These integrated cabinet solutions are the answer to your high-availability demands, large storage requirements, floor space constraints, and safety/serviceability concerns.

High Availability Maximized

The AlphaServer 2100 4/200 CAB and 4/275 CAB are designed with high availability in mind. The majority of the storage resides outside the main system, allowing StorageWorks shelves to be powered separately with redundant, hot-swappable supplies. To ensure the highest level of availability, it's possible to locate all storage—including tape devices—in StorageWorks shelves.

The AlphaServer 2100 CAB also offers optional dual power supplies, each capable of supporting a fully loaded system. Other important features include dual AC power controllers, RAID (Redundant Array of Inexpensive Disks),

auto restart and reconfiguration, thermal management, ECC (Error Correction Code) cache and memory, and optional UPS (Uninterruptible Power Supply).

With the AlphaServer 2100 CAB, you can have a cluster in a cabinet. The design permits you to mount two or more AlphaServer 2100 RM systems—with storage—in a single cabinet. In one compact box, it's possible to create a three-node, 12 CPU configuration. It adds up to maximum availability in minimal space.

Storage as You Need It

You can buy only the storage you need today, and increase storage gradually, as your needs dictate. The modular design of the AlphaServer 2100 permits a vertical building block approach using AlphaServer 2100 RM systems, so space limitations are never a problem. ANSI/EISA standards conformance means you can mount your own or third-party specialized components in the same cabinet.

Designed with the Future in Mind

The AlphaServer 2100 combines the power of Digital's Alpha AXP™ 64-bit processors with support for up to four CPUs providing SMP. These systems will be compatible with future generations of Alpha AXP chips, and can be field-upgraded with a simple board swap. Industry-standard PCI and EISA I/O complement the scalable processor power, allowing you to use inexpensive, widely available I/O options. And the servers support a choice of three operating systems: DEC OSF/1®

Compact, Accessible, and Solid

The AlphaServer 2100 CAB is engineered to increase the system's reliability and serviceability, while optimizing available space. With these servers, you can put more computing power in minimal floor space and grow your system vertically, at your own pace, with the assurance that your investment is protected.

You can access the system easily for service and maintenance, because it features sliding rails and shelves. Front-to-back cooling allows the installation of third-party equipment without affecting the system's operating temperature. And a shock and vibration rating that is twice the industry standard ensures a higher survival rate in earthquake-prone areas.

Service and Support from Digital

The cost of ownership is less burdensome with the AlphaServer 2100 CAB, because a three-year on-site warranty is standard. Should you need any help with your system, Digital will be at your site within 24 hours.

Digital's worldwide network of service and support professionals offer networking, training, and software support, as well as multivendor servicing.

For More Information

To learn more about the AlphaServer 2100 4/200 CAB and 4/275 CAB, or about any of Digital's other systems and services, contact your local Digital sales office or an Authorized Digital Business Partner. You may also receive information by dialing Digital's InstaFACTS FAX facility: 800-DIGITAL (via a touch-tone phone in the U.S. and Canada), or 1-908-885-6426 (outside the U.S. and Canada). For online information on ordering, products, and more, send mail to info@digital.com.

performance with small system advantages.

(UNIX®), OpenVMS AXP, and the Windows NT™ operating system. With the AlphaServer 2100, you get large system performance with small system

AlphaServer 2100 4/200 CAB and 4/275 CAB Specifications		
CPU Features	**4/200**	**4/275**
Symmetric Multiprocessing	1-4 processors	1-4 processors
CPU Clock Speed	190 MHz	275 MHz
Cache on Chip (I-cache/D-cache)	8 KB/8 KB	16 KB/16 KB
Secondary Cache (per processor)	1 MB	4 MB
In-Cabinet CPU Upgrade	Yes	Yes
Maximum Memory	2 GB (1 GB for 4-CPU model)	
Performance	**4/200**	**4/275**
TPS (estimated)	Up to 660	Up to 850
SPECint92	126.7	200.1
SPECfp92	161.0	288.8
I/O Features		
Max. I/O Throughput	132 MB/sec (PCI); 33 MB/sec (EISA)	
I/O Support	3 PCI slots, 8 EISA slots	
Internal Storage		
Cabinet	70 hot-swap disks (140 GB), RAID 0, 1, 0+1, 5	
System	2 system disks (4 GB), 3 removable media, floppy disk	
Options		
Networking	Ethernet, Token Ring, FDDI, Synchronous	
Storage	Fast SCSI-2, RAID, DSSI (OpenVMS only), Prestoserve (DEC OSF/1 only)	
High Availability Features		
System	Auto Restart and Reconfiguration, Thermal Management, Redundant Power System, RAID, Disk Hot Swap, ECC Cache, ECC Memory, UPS (optional)	
OpenVMS Clusters	Ethernet, DSSI, FDDI	
AdvantageClusters (UNIX)	Yes	
Operating Systems	DEC OSF/1 (UNIX), OpenVMS AXP, Windows NT	
Operating Environment		
Temperature	10°C - 35°C (50°F - 95°F)	
Relative Humidity	20% - 80% (noncondensing)	
Power Supply	Two 1000 W supplies	
Physical Characteristics - Cabinet		
Height: 170.2 cm (67 in); Width: 48.3 cm (19 in); Depth: 86.4 cm (34 in)		
Warranty		
Three-year on-site warranty		

NOTE: Features may differ among operating environments. Performance may vary, depending on configuration, application, and operating environment.

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